

Application No. 09/781,823

Supplemental Amendment "A" dated April 29, 2005

Reply to Office Action mailed February 3, 2005 and Notice of Non-Compliant Amendment, dated April 21, 2005

AMENDMENTS TO THE CLAIMS

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) In a computer system having access to a text message that contains a plurality of semantic components that may include, for example, one or more headers or a message body, a method for compressing the text message on a per semantic component basis to form a compressed message while maintaining a degree of human readability, the method comprising the following:

an act of accessing the text message;

an act of parsing the text message into the plurality of semantic components; and
for at least some of the plurality of semantic components, performing the following:

an act of identifying-differentiating between each of the parsed semantic components and selecting a compression method, if any, to be used for each semantic component when compressing the semantic component for inclusion in the compressed message, taking into consideration the specific attributes of each semantic component in selecting a compression method appropriate for each semantic component; and

an act of including the compressed semantic component in the compressed message.

2. (Original) A method in accordance with Claim 1, wherein the semantic component comprises a header field.

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3. (Original) A method in accordance with Claim 1, wherein the semantic component comprises a current message within a body of the text message.
4. (Original) A method in accordance with Claim 1, wherein the semantic component comprises an embedded message within the text message.
5. (Original) A method in accordance with Claim 1, wherein the text message comprises an e-mail message.
6. (Original) A method in accordance with Claim 1, wherein the text message comprises a task message.
7. (Original) A method in accordance with Claim 1, wherein the text message comprises a meeting request message.
8. (Original) A method in accordance with Claim 1, wherein the text message comprises a meeting reminder message.
9. (Original) A method in accordance with Claim 1, wherein the text message comprises a meeting summary message.

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10. (Original) A method in accordance with Claim 1, wherein the act of identifying a compression method comprises the following:

an act of determining the first character length of the text message if it was compressed using a first set of compression rules;

an act of determining that the first character length is within a size limit for the compressed message;

an act of determining the second character length of the text message if it was compressed using a second set of compression rules that are more lenient than the first set of compression rules;

an act of determining that the second character length is not within the size limit for the compressed message; and

an act of using a third set of compression rules that are at least as strict as the first set of compression rules, but more lenient than the second set of compression rules, to compress the text message.

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11. (Currently Amended) In a computer system having access to a text message that contains a plurality of semantic components that may include, for example, one or more headers or a message body, a method for compressing the text message on a per semantic component basis to form a compressed message while maintaining a degree of human readability, the method comprising the following:

an act of accessing the text message;

an act of parsing the text message into the plurality of semantic components; and

for at least some of the plurality of semantic components, performing a step for optimizing-differentiating between each of the parsed semantic components and selecting a compression method, if any, to be used for each semantic component when compressing the semantic component for inclusion in the compressed message, taking into consideration the specific attributes of each semantic component in selecting a compression method appropriate for each semantic component so as to optimize the text compression on a per semantic component basis so that the more important information is included in the compressed message.

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12. (Currently Amended) A computer program product for use in a computer system having access to a text message that contains a plurality of semantic components that may include, for example, one or more headers or a message body, the computer program product for implementing a method for compressing the text message on a per semantic component basis to form a compressed message while maintaining a degree of human readability, the computer program product comprising a computer readable medium having computer-executable instructions for performing the following:

an act of causing the text message to be accessed;

an act of parsing the text message into the plurality of semantic components; and

for at least some of the plurality of semantic components, performing the following:

an act of identifying-differentiating between each of the parsed semantic components and selecting a compression method, if any, to be used for each semantic component when compressing the semantic component for inclusion in the compressed message, taking into consideration the specific attributes of each semantic component in selecting a compression method appropriate for each semantic component; and

an act of including the compressed semantic component in the compressed message.

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13. (Original) A computer program product in accordance with Claim 12, wherein the computer-executable instructions for performing the act of identifying a compression method comprise computer-executable instructions for performing the following:

an act of determining the first character length of the text message if it was compressed using a first set of compression rules;

an act of determining that the first character length is within a size limit for the compressed message;

an act of determining the second character length of the text message if it was compressed using a second set of compression rules that are more lenient than the first set of compression rules;

an act of determining that the second character length is not within the size limit for the compressed message; and

an act of using a third set of compression rules that are at least as strict as the first set of compression rules, but more lenient than the second set of compression rules, to compress the text message.

14. (Original) A computer program product in accordance with Claim 12, wherein the computer-readable medium is a physical storage medium.

15. (Withdrawn) In a computer system having access to a message body having contained therein one or more embedded messages, a method of parsing the embedded messages from the message body, the method comprising the following:

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an act of locating message breaks in the message body that are characteristic of separations between messages in the message body; and

an act of identifying the material between each consecutive message break as corresponding to an embedded message.

16. (Withdrawn) A method in accordance with Claim 15, wherein the message body corresponds to an e-mail message.

17. (Withdrawn) A method in accordance with Claim 15, wherein the act of locating message breaks in the message body that are characteristic of separations between messages in the message body comprises the following:

an act of identifying a prefix of non-alphanumeric start characters in a given line before the first alphanumeric character in the given line; and

an act of identifying a common prefix among a plurality of contiguous lines in the message body by repeating the act of identifying a prefix for each of the plurality of contiguous lines, the plurality of contiguous lines representing a division in the message body.

18. (Withdrawn) A method in accordance with Claim 17, further comprising the following:

an act of removing the common prefix from the plurality of contiguous lines in the division;

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after the act of removing, an act of scanning each of the contiguous lines to detect any lines that begin with three or more of the same non-alphanumeric characters followed by alphanumeric characters followed by three or more of the same non-alphanumeric characters; and

and act of determining that sections within the division that begin with any lines detected in the act of scanning are embedded messages within the message body.

19. (Withdrawn) A computer program product for use in a computer system having access to a message body having contained therein one or more embedded messages, the computer program product for implementing a method of parsing the embedded messages from the message body, the computer program product comprising a computer-readable medium having stored there computer-executable instructions for performing the following:

an act of locating message breaks in the message body that are characteristic of separations between messages in the message body; and

an act of identifying the material between each consecutive message break as corresponding to an embedded message.

20. (Withdrawn) A computer program product in accordance with Claim 19, wherein the computer-readable medium comprises a physical storage medium.

21. (Withdrawn) A computer program product in accordance with Claim 19, wherein the computer-executable instructions for performing the act of locating message breaks in the

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message body that are characteristic of separations between messages in the message body comprise computer-executable instructions for performing the following:

an act of identifying a prefix of non-alphanumeric start characters in a given line before the first alphanumeric character in the given line; and

an act of identifying a common prefix among a plurality of contiguous lines in the message body by repeating the act of identifying a prefix for each of the plurality of contiguous lines, the plurality of contiguous lines representing a division in the message body.

22. (Withdrawn) A computer-program product in accordance with Claim 21, wherein the computer-readable medium further has stored thereon computer-executable instructions for performing the following:

an act of removing the common prefix from the plurality of contiguous lines in the division;

after the act of removing, an act of scanning each of the contiguous lines to detect any lines that begin with three or more of the same non-alphanumeric characters followed by alphanumeric characters followed by three or more of the same non-alphanumeric characters; and

an act of determining that sections within the division that begin with any lines detected in the act of scanning are embedded messages within the message body.